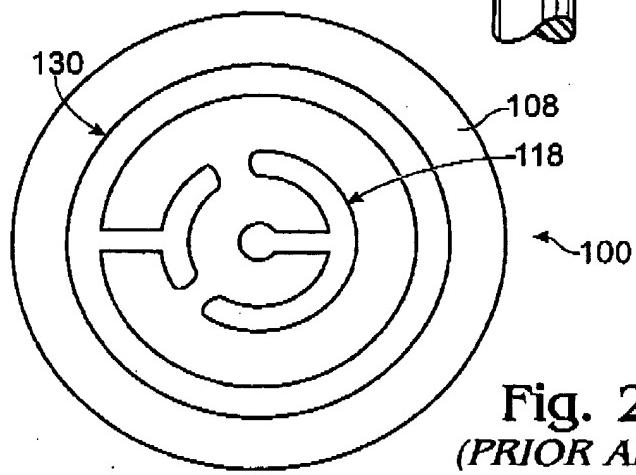
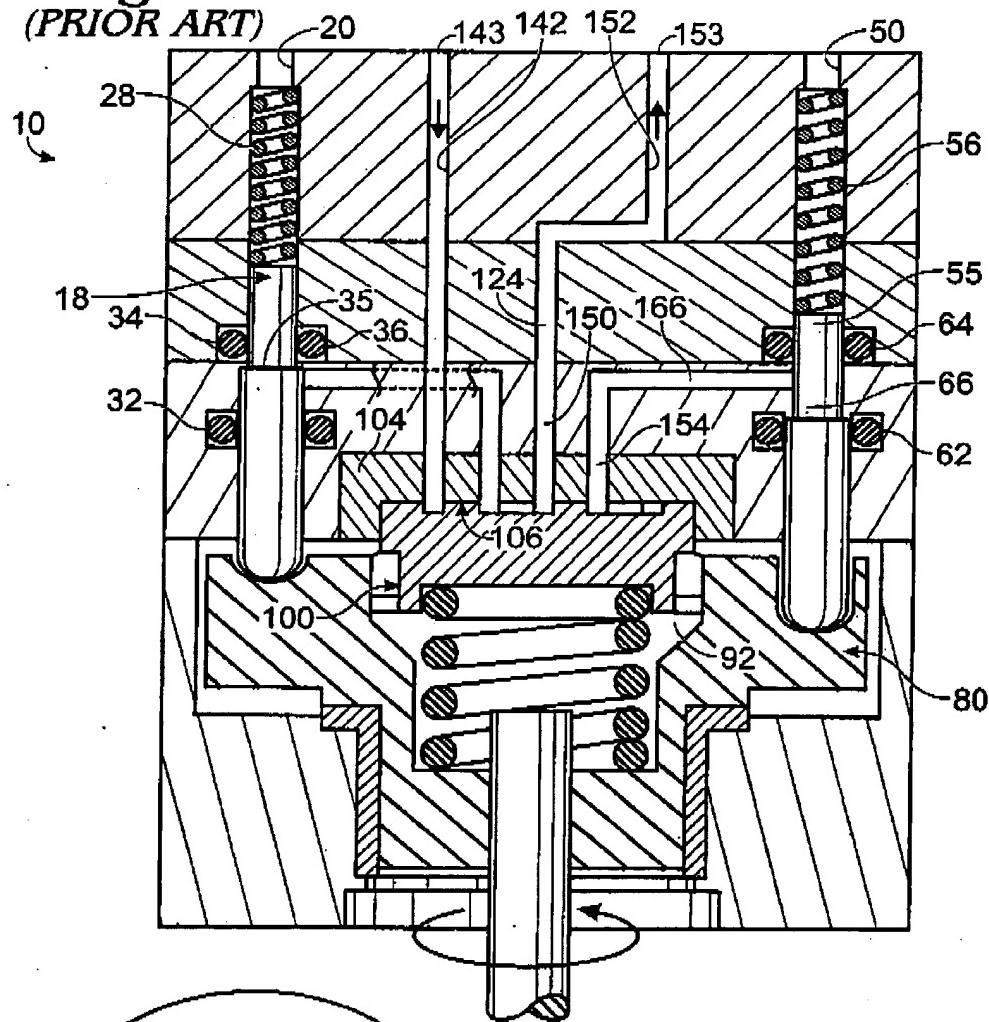


Title: POSITIVE DISPLACEMENT LIQUID PUMP  
 Inventors: Alan E. Hayes and Jerry A. Young  
 Atty. Docket No.: NPW 346  
 Atty. of Record: David S. D'Ascenzo (503) 224-6655

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**Fig. 1**  
*(PRIOR ART)*

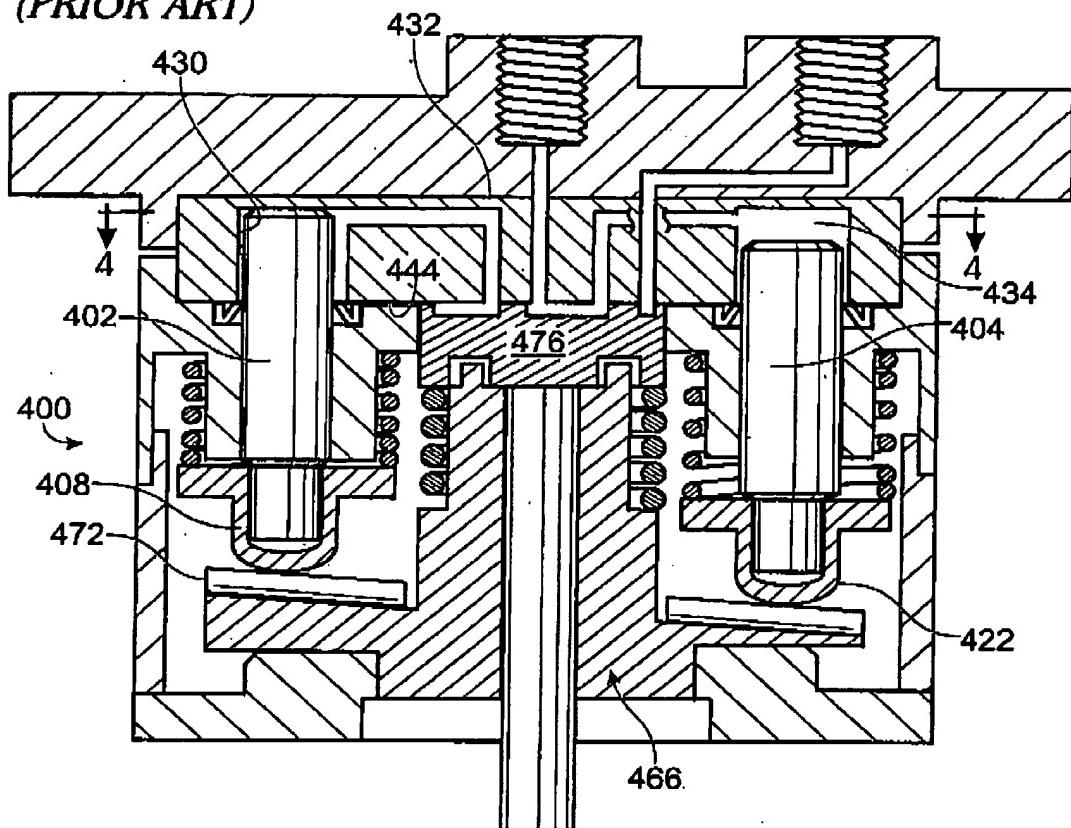


**Fig. 2**  
*(PRIOR ART)*

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Fig. 3  
(PRIOR ART)

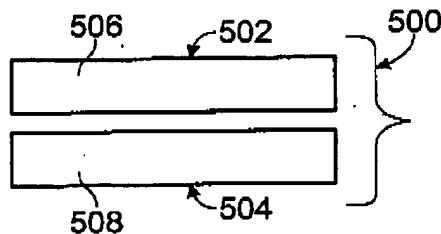
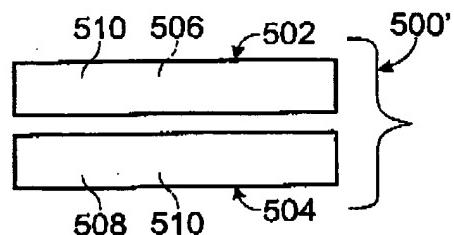
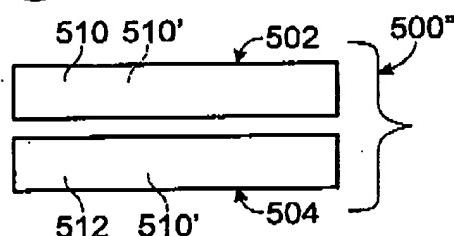
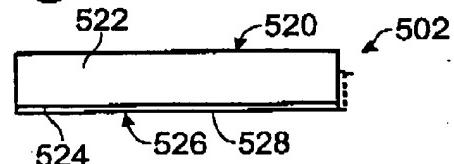
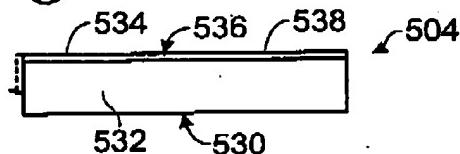
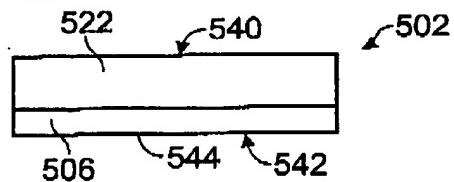
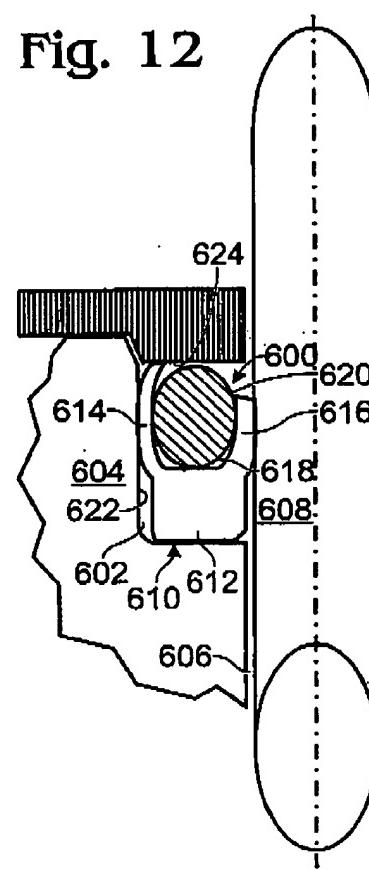
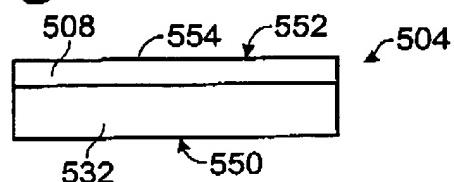


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Fig. 4  
(PRIOR ART)

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**Fig. 5****Fig. 6****Fig. 7****Fig. 8****Fig. 9****Fig. 10****Fig. 11**

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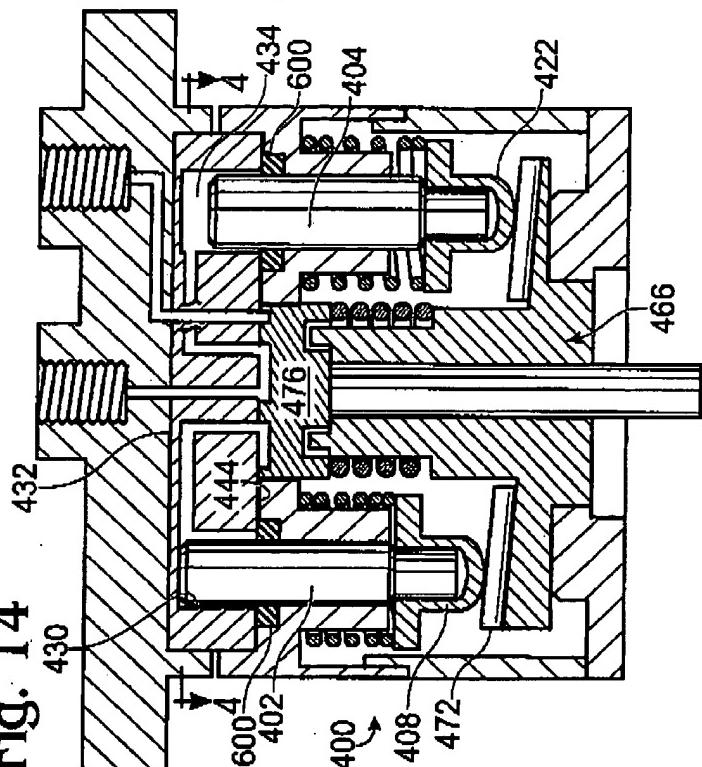


Fig. 14

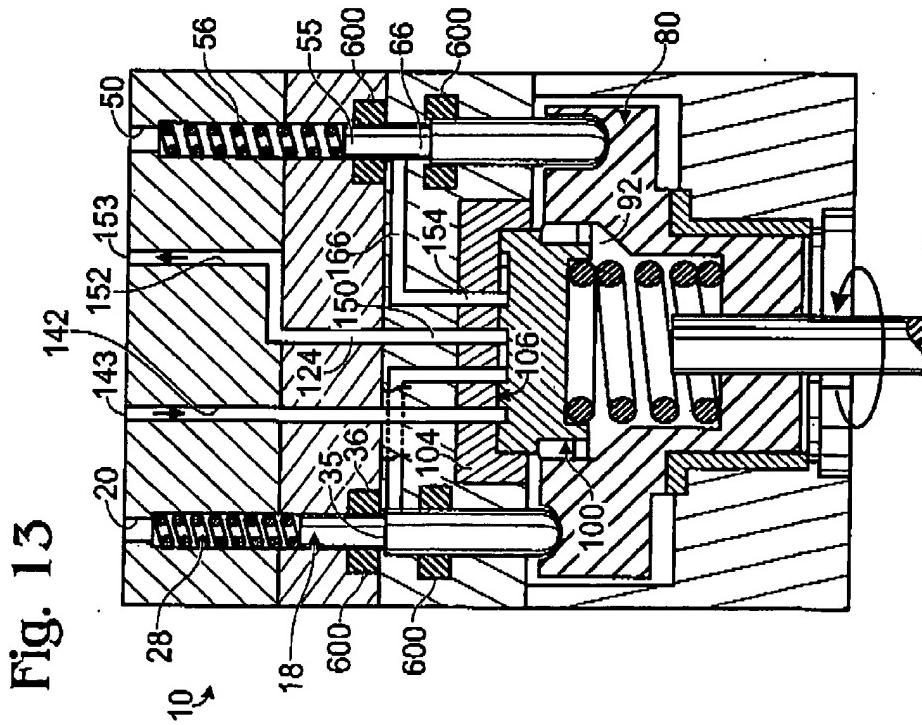
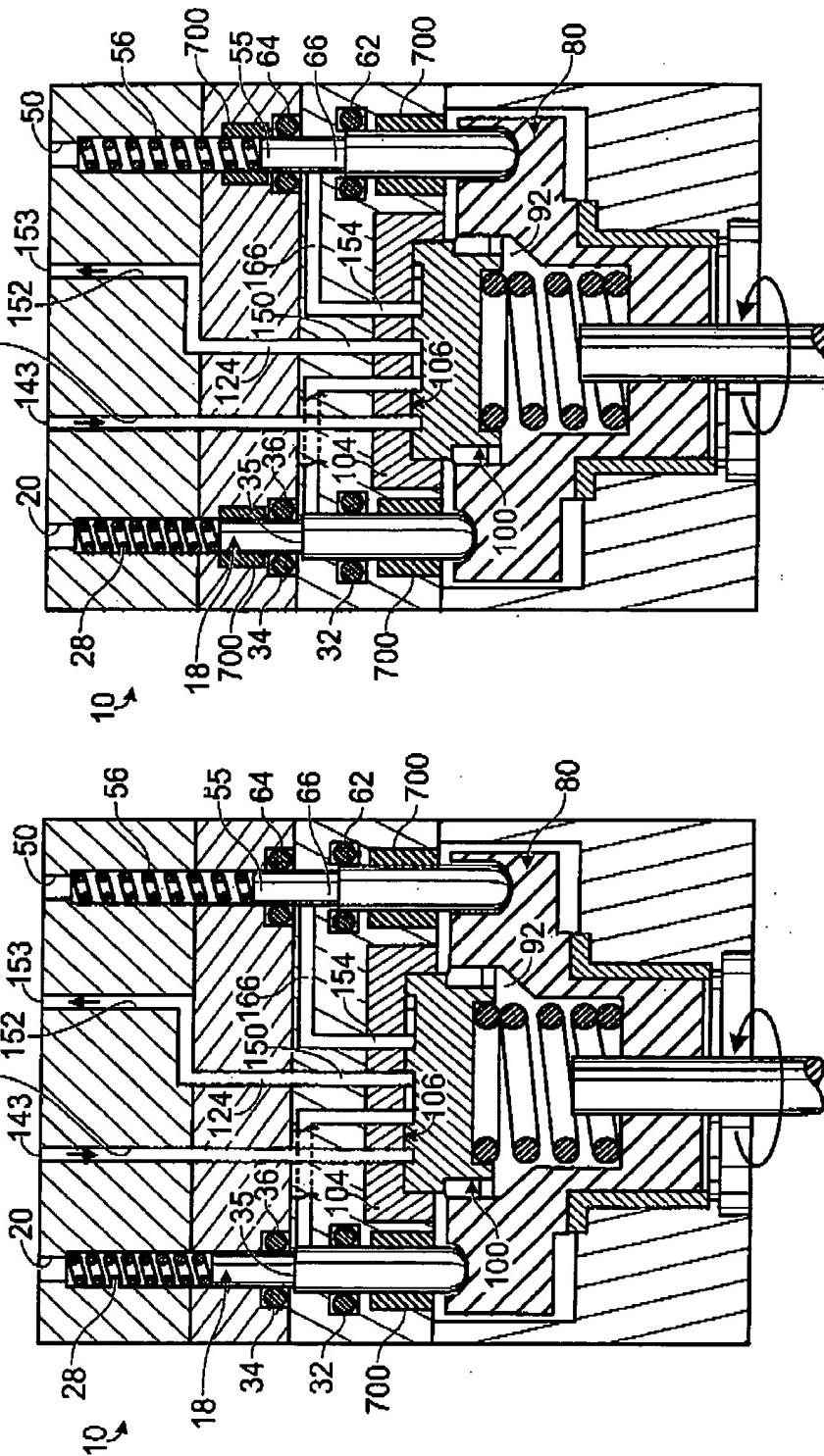


Fig. 13

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Fig. 15  
Fig. 16

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Fig. 17

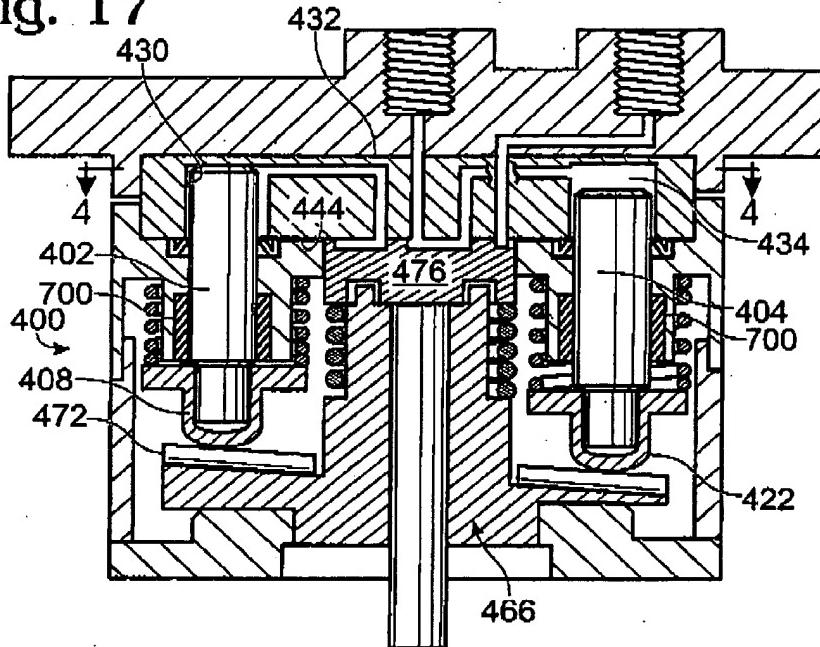
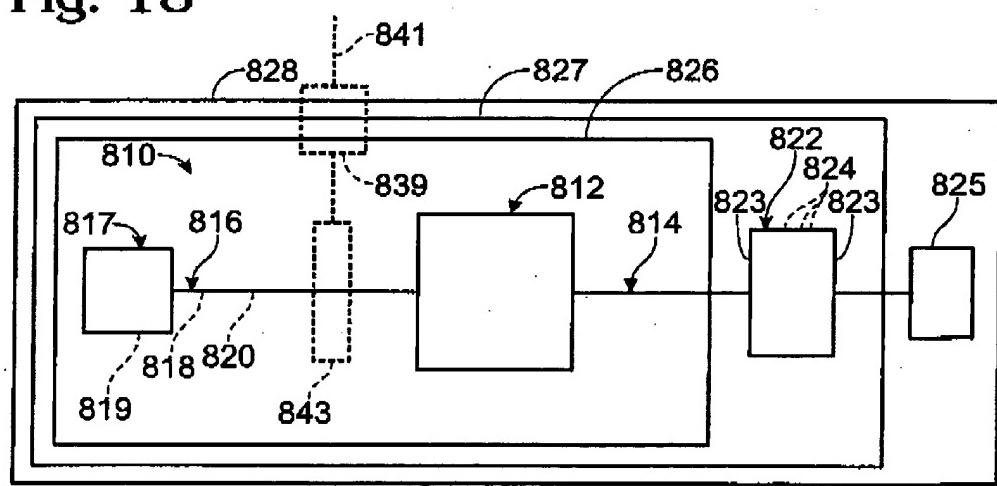


Fig. 18



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Fig. 19

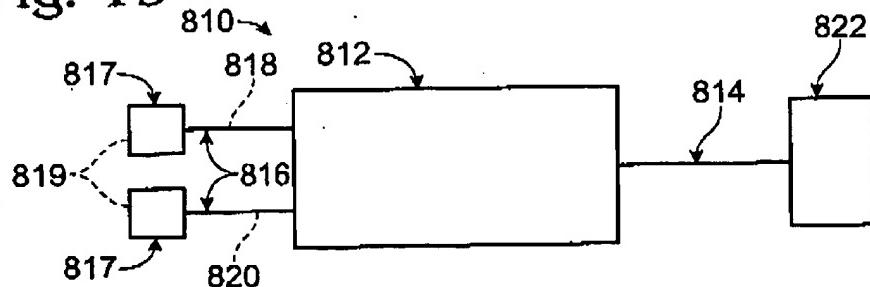


Fig. 20

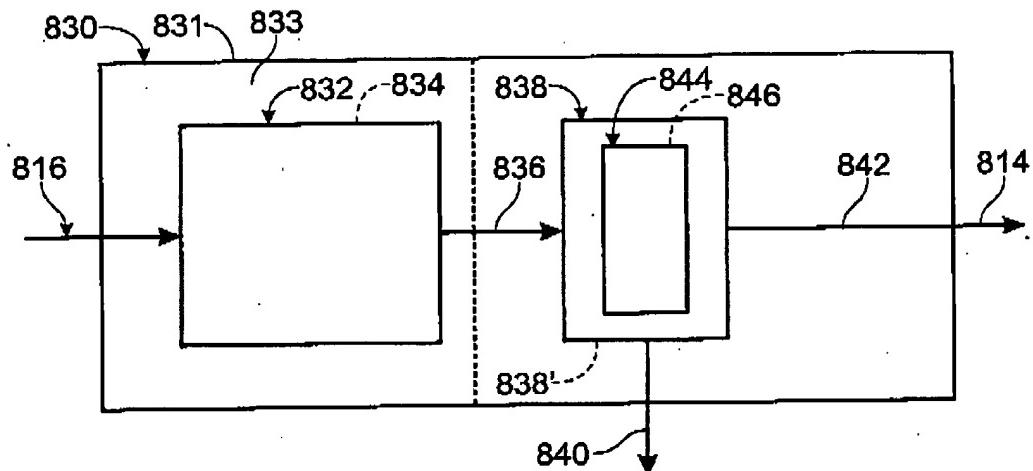


Fig. 21

